Avigilon H5A Explosion Protected and Rugged PTZ Camera Lines Firmware Release Notes

Version 4.64.0.14 – Released September 1, 2023

Issues Fixed

- Resolves internal manufacturing issues

This version is required to support the latest hardware optimizations and manufacturing updates. We recommend applying new firmware to enhance the performance and reliability of the camera.

Version 4.64.0.12 – Released August 4, 2023

New Features

- Renames feature allowing the disablement of analytics from "No Smart Analytics" to "No Video Analytics"

Issues Fixed

- Improves slider functionality within the digital zoom feature
- Resolves internal manufacturing issues
- Resolves a potential issue on the Rugged PTZ line that can cause the camera to pan to incorrect coordinates
- Resolves an issue with the WebUI that can potentially cause the camera to be unable to synchronise device time with the NTP server

Version 4.60.0.38 – Released July 26, 2023

New Features

- Resolves an issue that can potentially cause an MCU upgrade failure with certain RS485 transceivers

Version 4.60.0.28 – Released July 10, 2023

New Features

- Image rotation is now supported on fixed models (non-PTZ) only
- A new option titled "No Smart Analytics" is available through the WebUI that allows the disabling of Smart Analytics functions (basic pixel motion detection will not be disabled)
- Digital zoom is now supported on PTZ models
- ONVIF Profile M support

Issues Fixed

- Resolves internal manufacturing issues
- Resolves issues related to logging out of the WebUI when the user is connected through an iOS device

Version 4.52.0.16 – Released February 17, 2023

Issues Fixed

- Resolves an issue that can cause the camera to enter a reboot loop when the "ONVIF compliant analytics metadata" is enabled on the camera web interface

Version 4.52.0.12 – Released January 25, 2023

Issues Fixed
- Resolves internal manufacturing issues
- Fixes an issue that can potentially cause the auto-tracking function to stop working when the image is set in the flipped option
- Resolves an issue where sometimes, when configuring the "Threshold" and "Motion Mask Area" settings under Pixel Motion Detection, an error message would appear and the new settings would not be applied to the camera
- Fixes an issue that can potentially cause the auto-tracking feature to continue running after clicking on the Home button
- Fixes an issue that can potentially affect the ability to set a power mode
- Fixes an issue that can potentially impair the Continuous Focus feature

Version 4.48.0.18 – Released January 9, 2023

Issues Fixed
- Fixes internal manufacturing issues

Version 4.48.0.16 – Released November 17, 2022

Issues Fixed
- Fixes internal manufacturing issues

Version 4.48.0.14 fixes an issue present in version 4.40.0.12. Customers with the affected firmware versions are recommended to upgrade the firmware as soon as possible.

Version 4.48.0.14 – Released November 8, 2022

Issues Fixed
- Fixes an issue on 4.40.0.12 where a temporary network disruption to ACC or the NTP service may result in cameras not streaming to ACC, even when the network connection is restored
- Fixes an issue that can cause the camera not to adjust to Daylight Savings Time correctly when set to the IST/IDT time zone

Version 4.40.0.12 – Released September 15, 2022 (not recommended for use)

Issues Fixed
- Fixes internal manufacturing issues.

Version 4.40.0.6 – Released August 30, 2022

Issues Fixed
- Improved UX/UI performance of PTZ Limits page.
- Fixes issues that can cause incorrect exposure changes in response to flicker mode changes.
- Fixes issue that can cause the max lockout feature not to activate in WebUI login after 10+ incorrect password attempts.
- Removed session timeout alert on user setup page.
- Fixes internal manufacturing issues.

New Features
- Enables compass feature for T511 cameras.
- User password hashing and encryption algorithms have been updated.
- Allows users to change the camera's DSCP active status through WebUI.

Version 4.30.0.32 – Released August 5, 2022

Issues Fixed
- Fixes an issue that sometimes causes the appearance of a green stream with moving stripes.
- Fixes an issue that could prevent proper illuminator startup.
- Fixes an issue that can cause the camera to stop recording onto the SD card.

New Features
- Integrated firmware auto-upgrade capabilities.

Version 4.30.0.28 – Released June 15, 2022

Issues Fixed
- Addresses internal manufacturing issues.

Version 4.30.0.20 – Released May 25, 2022

Issues Fixed
- Addresses an issue where the camera actual maximum exposure time would be lower than the value configured in the camera.
- Addresses internal manufacturing issues.

Version 4.18.0.114 – Released Mar 2, 2022

Issues Fixed
- Addresses internal manufacturing issues.

Version 4.18.0.106 – Released Jan 24, 2022

Issues Fixed
- Addresses internal manufacturing issues.

Version 4.18.0.94 – Released Oct 29, 2021

Issues Fixed
- Addresses an issue that could cause the dedicated washer output not to be triggered during the washing cycle.

Version 4.18.0.80 – Released Oct 4, 2021

Issues Fixed
- Addresses internal manufacturing issues.

Version 4.18.0.70 – Released Aug 13, 2021

New Features
- This is the first release to support the H5A Rugged PTZ
- Added support for edge storage and retrieval via Profile G conformance. Supported Profile G compliant VMSes can retrieve video recordings from the camera's SD card. Cameras that are upgraded to this firmware version will have this support enabled by default
  - Avigilon Control Center users require version 7.6 or later to support video retrieval functionality from the camera's SD card.
  - Video playback is only supported for recordings in H.264 format. MJPEG videos can be stored on the SD card but cannot be retrieved by the VMS
- Added support for FIPS L3 CryptR Card
  - If using FIPS 140-2 encryption, is it is recommended to use Avigilon Control Center version 7.12.2 or later
- Added support for ONVIF Core Specification, Section 4.7, which enables a camera's GeoLocation to be stored on the camera. GeoLocation attributes can be set and retrieved from the camera using standard ONVIF specified operations
- Added support for IP address access filtering on the camera. Users can now configure an IP access grant/block list from the camera's WebUI
- Added support for HTTP Strict Transport Security (HSTS)
- Added the ability to disable the camera's WebUI and all non-ONVIF APIs
  - This can be done by by clicking the *Disable non-ONVIF APIs* checkbox which is found in the *Disable WebUI* tab of the camera's WebUI
  - Once this change is applied the camera will return HTTP 403 for all endpoints **not** starting in /onvif/
  - This change can only be undone with a physical revert

- Addresses an important security issue. Avigilon customers are advised to take this upgrade

Version 4.2.0.32 – Released Aug 7, 2020

- Fixes a critical issue where the camera's identifying information (such as Part Number, Serial Number, MAC address) can become corrupted leading to a permanent loss of communication between the camera and ACC. Once this information becomes corrupted the only way to re-establish the camera connection to ACC is with a manual intervention via the camera's Webui.
  - As this is an issue that may present itself more frequently over time, it is strongly recommended that all H5A Explosion Protected cameras be upgraded to this version or later

Version 4.2.0.12 – March 6, 2020

- Initial firmware release for H5A Explosion Protected Cameras